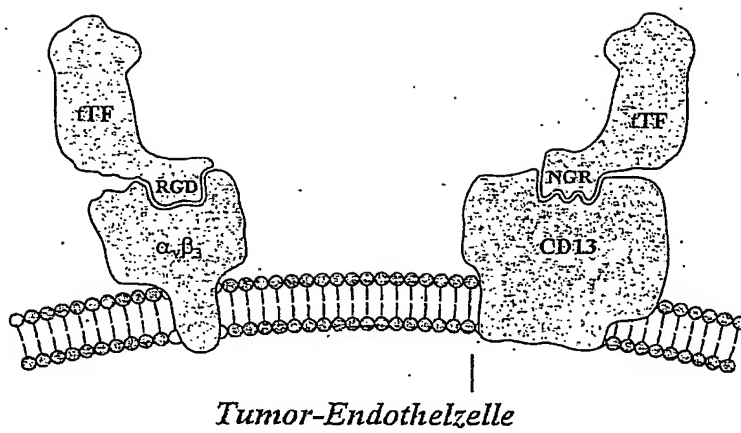


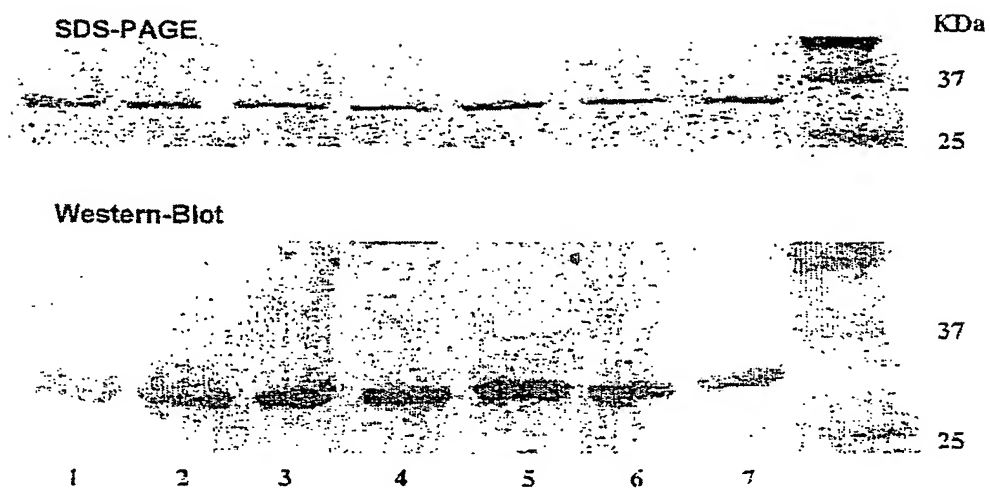
Fig. 1:

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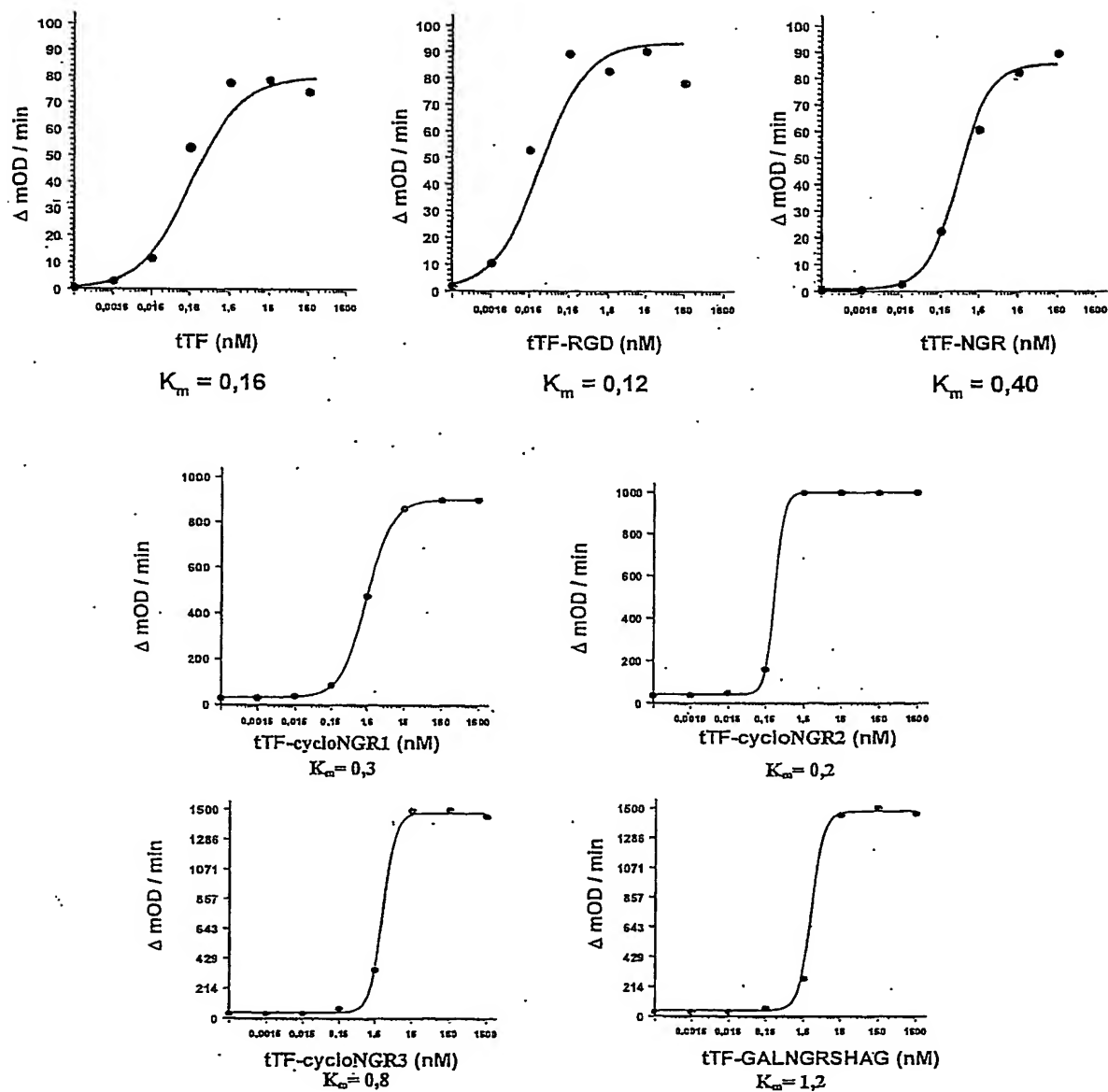
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Fig. 2:



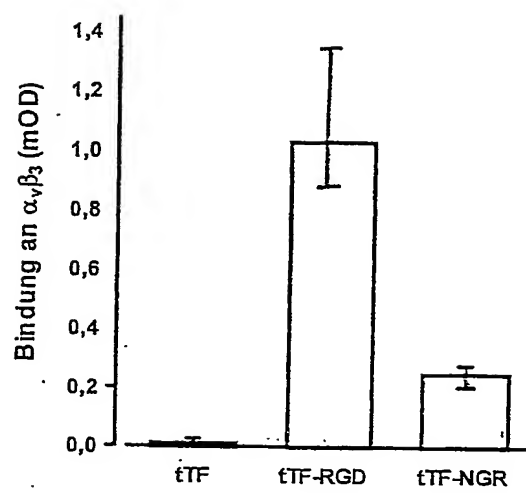
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Fig. 3:



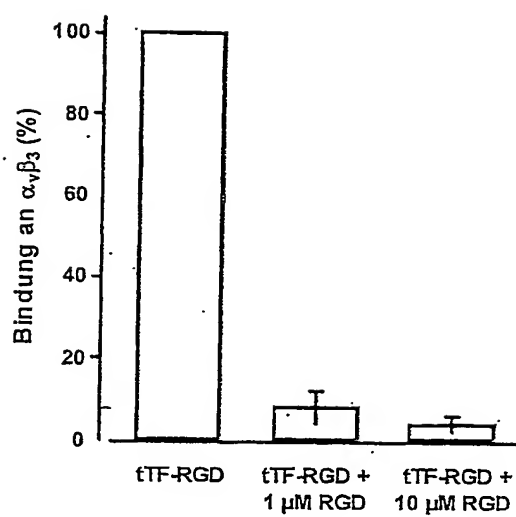
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Fig. 4:



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Fig. 5:



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Fig. 6:

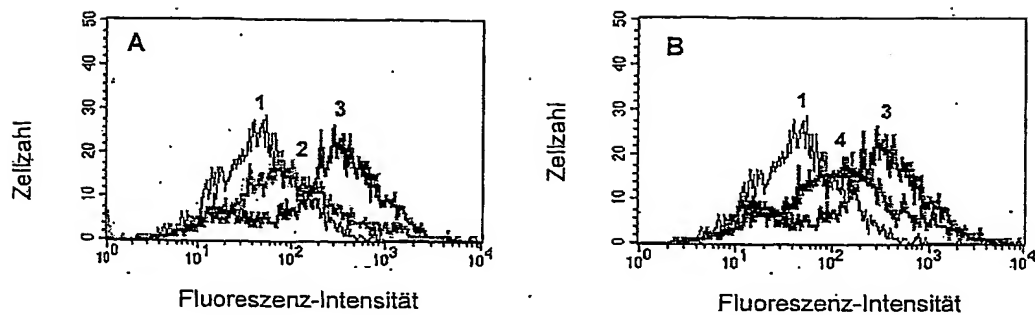


Fig. 7:

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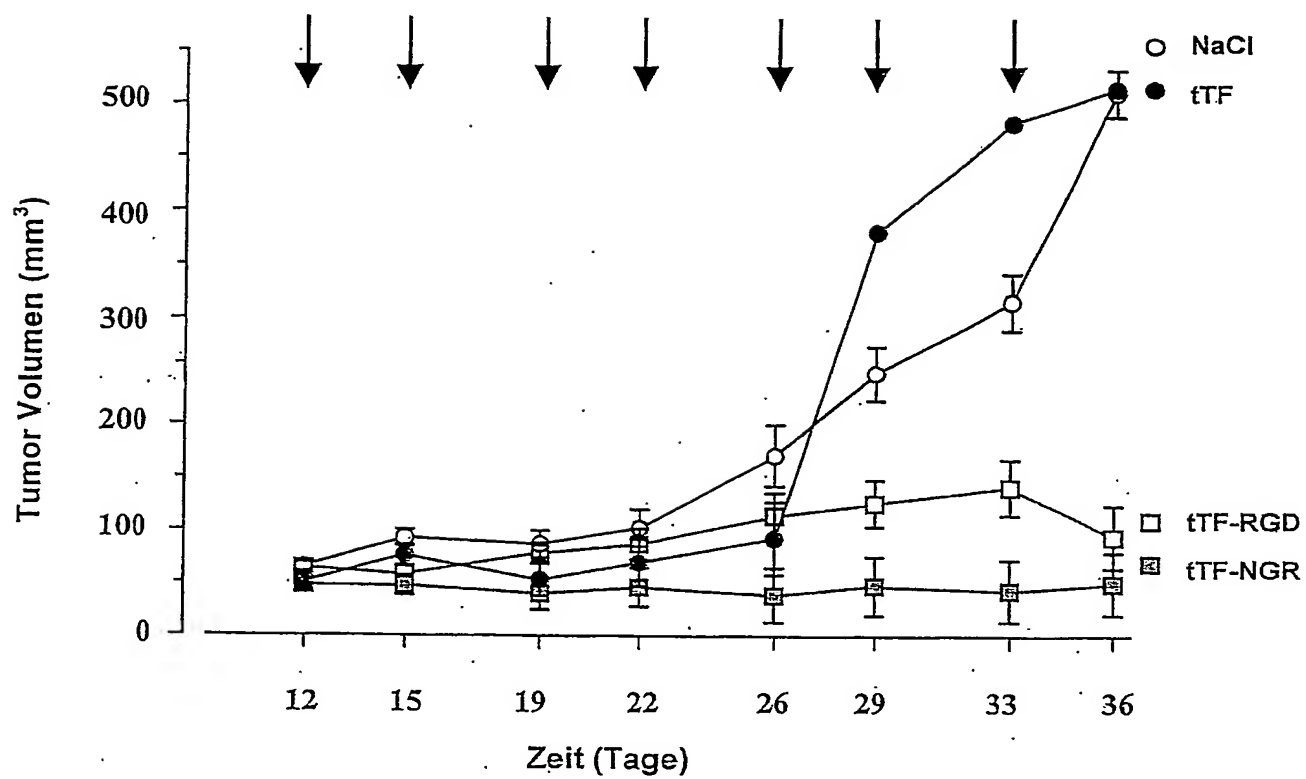


Fig. 8:

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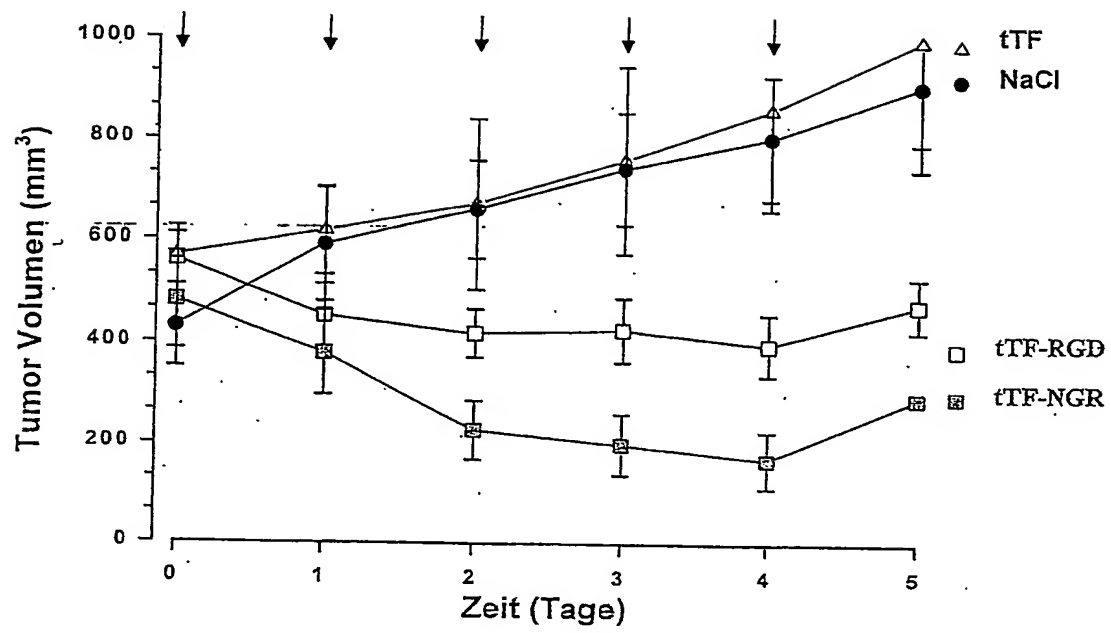


Fig. 9:

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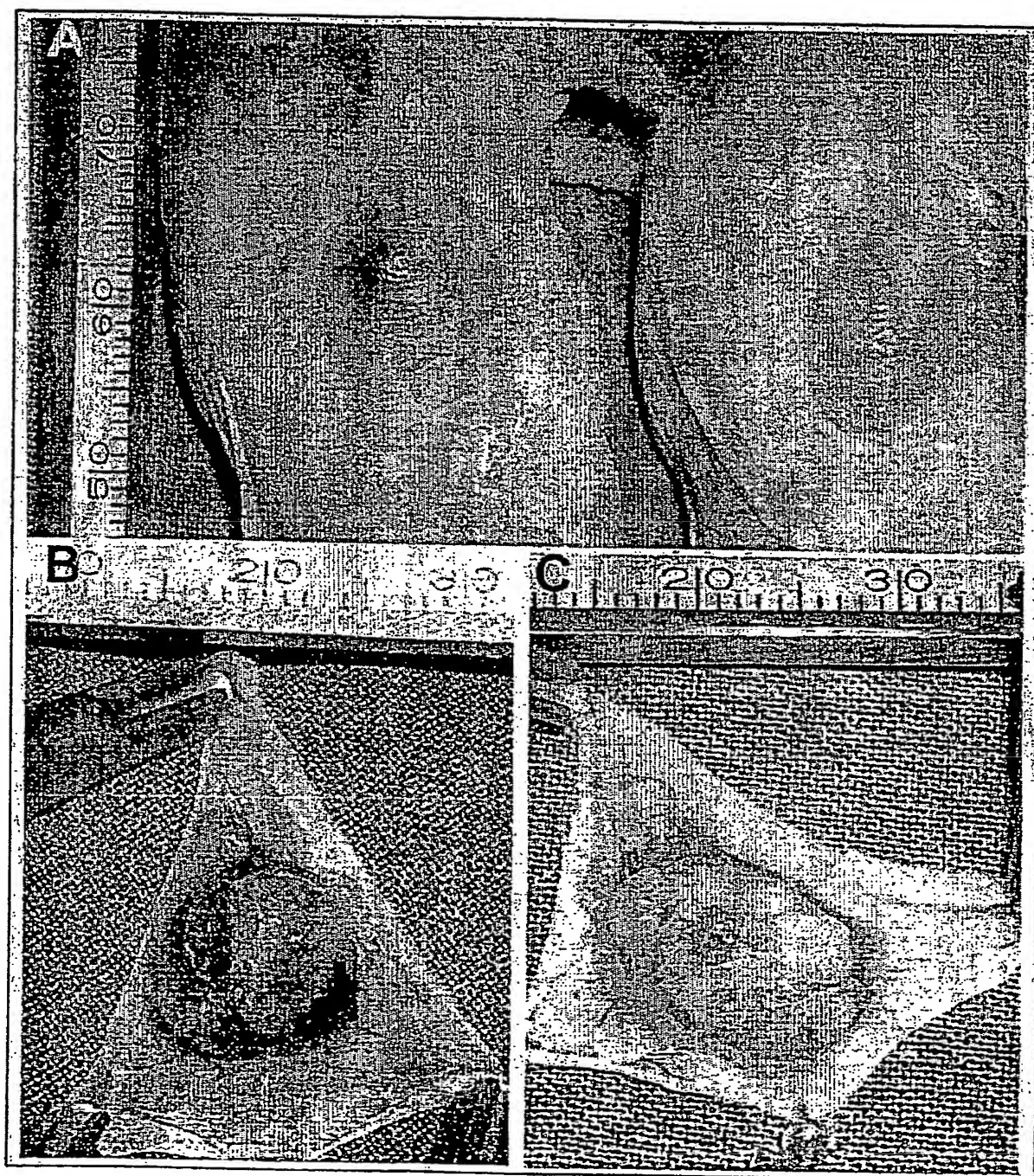
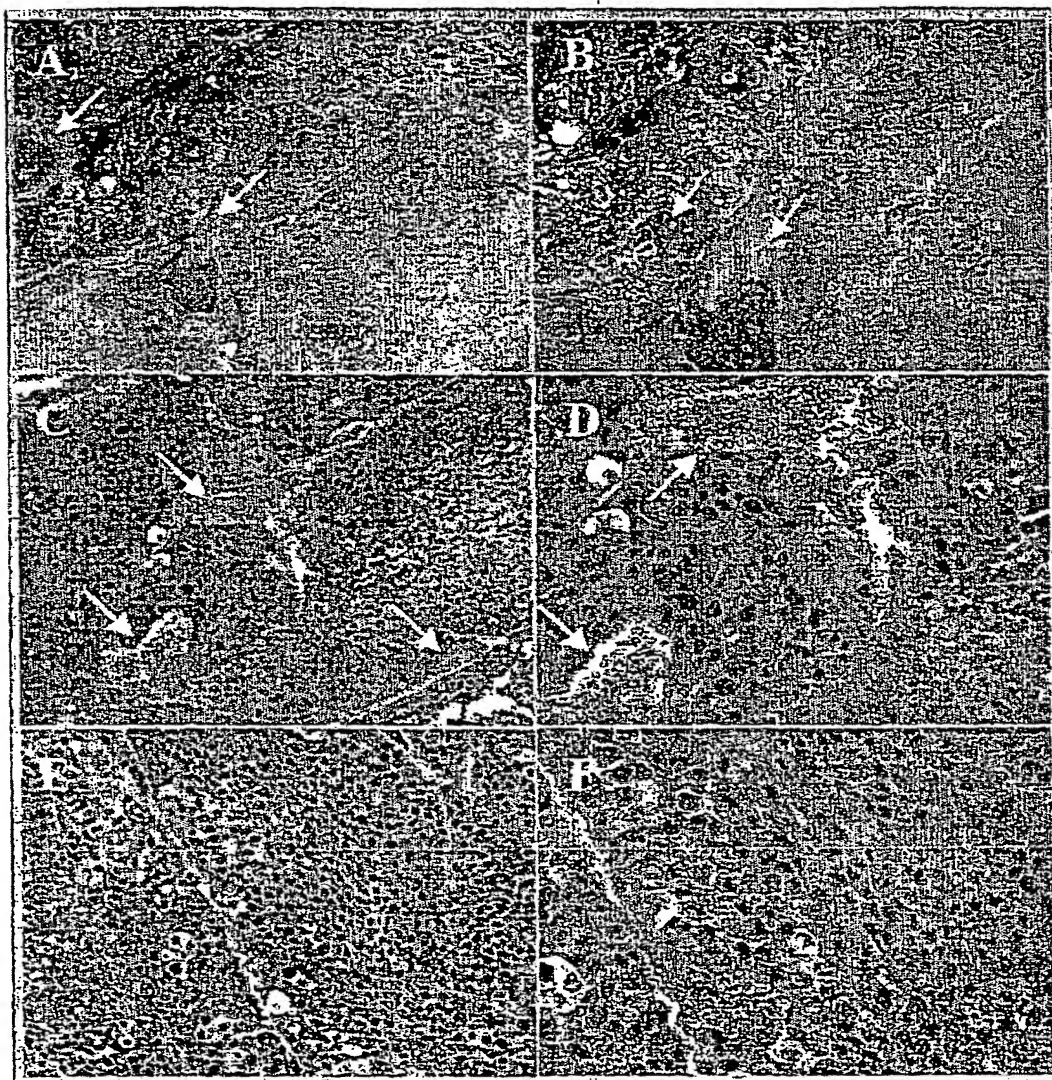


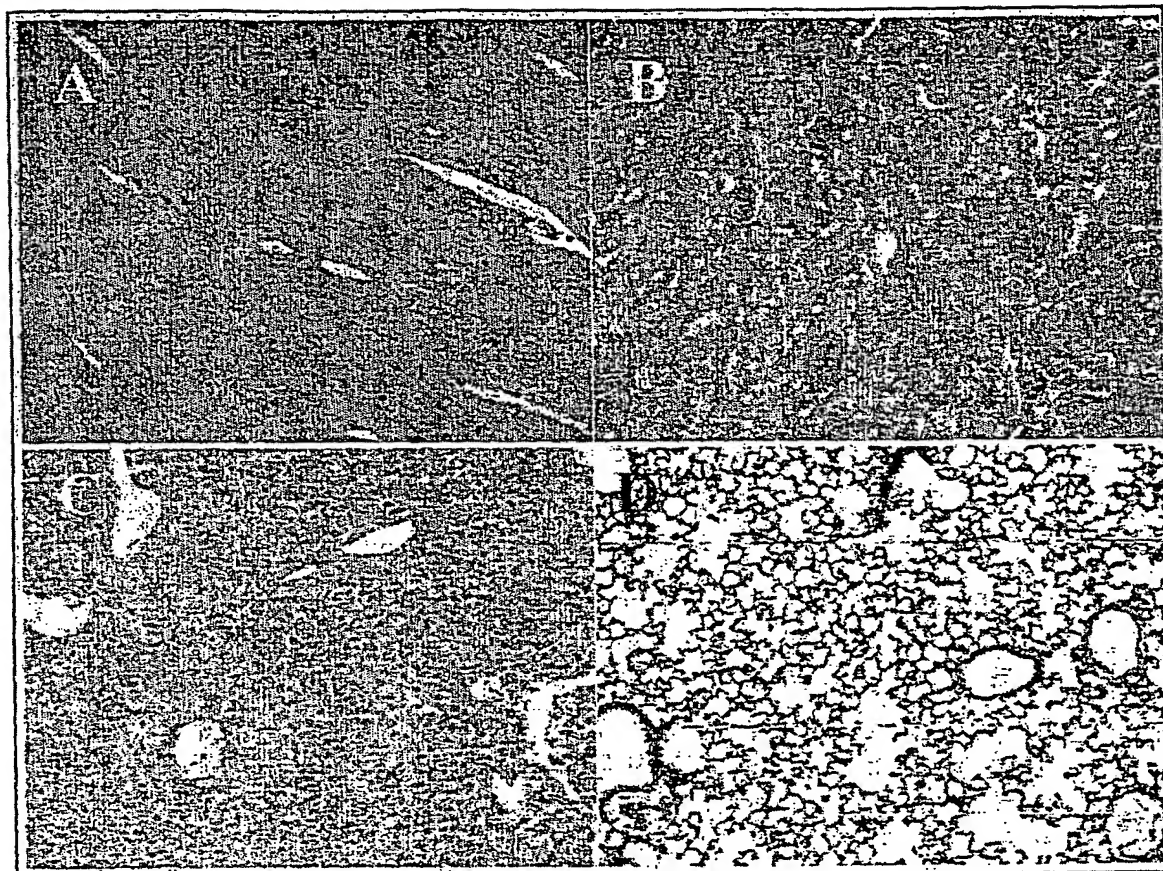
Fig. 10:

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Fig. 11:



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Fig. 12:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSCKFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFQVGTKNVT
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFQAVIPSRVNRKSTDSPVECM
GQEKGEFREIFYIIGAVVFVVIILVILAILSLHKCRKAGVGQSW
KENSPLNVS

Fig. 13:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSCKFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFQVGTKNVT
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFQAVIPSRVNRKSTDSPVECM
GQEKGEFR

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Fig. 14:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWWSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNV
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFVQAVIPSRVTNRKSTDSPVECM
GQEKGEFRGRGDSD

Fig. 15:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWWSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNV
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFVQAVIPSRVTNRKSTDSPVECM
GQEKGEFRGN GRAHA

Fig. 16

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWWSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNV
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTA
KTNTNEFLIDVDKGENYCFVQAVIPSRVTNRKSTDSPVECM
GQEKGEFRGALNGRSHAG

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Fig. 17:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSCKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNV
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSSGKKTA
KTNTNEFLIDVDKGENYCFSVQAVIPSRVTNVRKSTDSPVECM
GQEKGEFRGCNGRCG

Fig. 18:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSCKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNV
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSSGKKTA
KTNTNEFLIDVDKGENYCFSVQAVIPSRVTNVRKSTDSPVECM
GQEKGEFRGCNGRCVSGCAGRC

Fig. 19:

SGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQISTKS
GDWKSCKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVE
STGSAGEPLYENSPEFTPYLETNLGQPTIQSFEQVGTKVNV
VEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSSGKKTA
KTNTNEFLIDVDKGENYCFSVQAVIPSRVTNVRKSTDSPVECM
GQEKGEFRGCVLNGRMEC

Fig. 20:

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TCAGGCACTACAAATACTGTGGCAGCATATAATTAACTTGGAAATCAACTAATTTCAAGACAA
TTTTGGAGTGGGAACCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG
ATTGGAAGCAAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG
GATGTGAAGCAGACGTAAGTGGCACGGGTCTTCTCTACCCGGCAGGGAATGTGGAGAGCACCGGT
TCTGCTGGGGAGCCTCTGTATGAGAACTCCCCAGAGTTCAACCTTACCTGGAGACAAACCTCGGA
CAGCCAACAATTCAGAGTTTTGAACAGGTGGGAACAAAAGTGAATGTGACCGTAGAAGATGAACG
GACTTTAGTCAGAAGGAACAACACTTTCTTAAGCCTCCGGGATGTTTTTGGCAAGGACTTAATTTAT
ACACTTTATTATTGGAAATCTTCAAGTTCAGGAAAGAAAAACAGCCAAAAACAACACTAATGAGTTT
TTGATTGATGTGGATAAAGGAGAAAACTACTGTTTCAGTGTTCAGCAGTGATTCCCTCCCGAACA
GTTAACCGGAAGAGTACAGACAGCCCGGTAGAGTGTATGGGCCAGGAGAAAGGGGAATTCAGA

Fig. 21:

TCAGGCACTACAAATACTGTGGCAGCATATAATTAACTTGGAAATCAACTAATTTCAAGACAA
TTTTGGAGTGGGAACCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG
ATTGGAAGCAAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG
GATGTGAAGCAGACGTAAGTGGCACGGGTCTTCTCTACCCGGCAGGGAATGTGGAGAGCACCGGT
TCTGCTGGGGAGCCTCTGTATGAGAACTCCCCAGAGTTCAACCTTACCTGGAGACAAACCTCGGA
CAGCCAACAATTCAGAGTTTTGAACAGGTGGGAACAAAAGTGAATGTGACCGTAGAAGATGAACG
GACTTTAGTCAGAAGGAACAACACTTTCTTAAGCCTCCGGGATGTTTTTGGCAAGGACTTAATTTAT
ACACTTTATTATTGGAAATCTTCAAGTTCAGGAAAGAAAAACAGCCAAAAACAACACTAATGAGTTT
TTGATTGATGTGGATAAAGGAGAAAACTACTGTTTCAGTGTTCAGCAGTGATTCCCTCCCGAACA
GTTAACCGGAAGAGTACAGACAGCCCGGTAGAGTGTATGGGCCAGGAGAAAGGGGAATTCAGAG
GAAGAGGTGATTCTCCA

Fig. 22:

TCAGGCACTACAAATACTGTGGCAGCATATAATTAACTTGGAAATCAACTAATTTCAAGACAA
TTTTGGAGTGGGAACCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG
ATTGGAAGCAAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG
GATGTGAAGCAGACGTAAGTGGCACGGGTCTTCTCTACCCGGCAGGGAATGTGGAGAGCACCGGT
TCTGCTGGGGAGCCTCTGTATGAGAACTCCCCAGAGTTCAACCTTACCTGGAGACAAACCTCGGA
CAGCCAACAATTCAGAGTTTTGAACAGGTGGGAACAAAAGTGAATGTGACCGTAGAAGATGAACG
GACTTTAGTCAGAAGGAACAACACTTTCTTAAGCCTCCGGGATGTTTTTGGCAAGGACTTAATTTAT
ACACTTTATTATTGGAAATCTTCAAGTTCAGGAAAGAAAAACAGCCAAAAACAACACTAATGAGTTT
TTGATTGATGTGGATAAAGGAGAAAACTACTGTTTCAGTGTTCAGCAGTGATTCCCTCCCGAACA
GTTAACCGGAAGAGTACAGACAGCCCGGTAGAGTGTATGGGCCAGGAGAAAGGGGAATTCAGAG
GTAACCGGAAGAGCACATGCA

Fig. 23:

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TCAGGCACTACAAATACTGTGGCAGCATATAATTTAACTTGGAAATCAACTAATTTCAAGACAA
TTTTGGAGTGGGAACCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG
ATTGGAAAAGCAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG
GATGTGAAGCAGACGTACTTGGCACGGGTCTTCTCCTACCCGGCAGGGAATGTGGAGAGCACCCGGT
TCTGCTGGGGAGCCTCTGTATGAGAACTCCCCAGAGTTTACACCTTACCTGGAGACAAACCTCGGA
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ACACTTTATTATTGGAAATCTTCAAGTTCAGGAAAGAAAAACAGCCAAAACAAACACTAATGAGTTT
TTGATTGATGTGGATAAAGGAGAAAACTACTGTTTCAGTGTTCAAGCAGTGATTCCCTCCCGAACA
GTTAACCGGAAGAGTACAGACAGCCCGGTAGAGTGTATGGGCCAGGAGAAAGGGGAATTCAGAG
GTGCTTTAAATGGAAGATCTCACGCTGGT

Fig. 24:

TCAGGCACTACAAATACTGTGGCAGCATATAATTTAACTTGGAAATCAACTAATTTCAAGACAA
TTTTGGAGTGGGAACCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG
ATTGGAAAAGCAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG
GATGTGAAGCAGACGTACTTGGCACGGGTCTTCTCCTACCCGGCAGGGAATGTGGAGAGCACCCGGT
TCTGCTGGGGAGCCTCTGTATGAGAACTCCCCAGAGTTTACACCTTACCTGGAGACAAACCTCGGA
CAGCCAACAATTCAGAGTTTTGAACAGGTGGGAACAAAAGTGAATGTGACCGTAGAAGATGAACG
GACTTTAGTCAGAAGGAACAACACTTTTCTAAGCCTCCGGGATGTTTTTGGCAAGGACTTAATTTAT
ACACTTTATTATTGGAAATCTTCAAGTTCAGGAAAGAAAAACAGCCAAAACAAACACTAATGAGTTT
TTGATTGATGTGGATAAAGGAGAAAACTACTGTTTCAGTGTTCAAGCAGTGATTCCCTCCCGAACA
GTTAACCGGAAGAGTACAGACAGCCCGGTAGAGTGTATGGGCCAGGAGAAAGGGGAATTCAGAG
GCTGCAACGGTAGATGTGGT

Fig. 25:

TCAGGCACTACAAATACTGTGGCAGCATATAATTTAACTTGGAAATCAACTAATTTCAAGACAA
TTTTGGAGTGGGAACCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG
ATTGGAAAAGCAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG
GATGTGAAGCAGACGTACTTGGCACGGGTCTTCTCCTACCCGGCAGGGAATGTGGAGAGCACCCGGT
TCTGCTGGGGAGCCTCTGTATGAGAACTCCCCAGAGTTTACACCTTACCTGGAGACAAACCTCGGA
CAGCCAACAATTCAGAGTTTTGAACAGGTGGGAACAAAAGTGAATGTGACCGTAGAAGATGAACG
GACTTTAGTCAGAAGGAACAACACTTTTCTAAGCCTCCGGGATGTTTTTGGCAAGGACTTAATTTAT
ACACTTTATTATTGGAAATCTTCAAGTTCAGGAAAGAAAAACAGCCAAAACAAACACTAATGAGTTT
TTGATTGATGTGGATAAAGGAGAAAACTACTGTTTCAGTGTTCAAGCAGTGATTCCCTCCCGAACA
TTTAACCGGAAGAGTACAGACAGCCCGGTAGAGTGTATGGGCCAGGAGAAAGGGGAATTCAGAG
TTTGTAAATGGAAGATGTGTTTCTGGATGTGCAGGACGATGT

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Fig. 26:

TCAGGCACTACAAATACTGTGGCAGCATATAATTTAACTTGGAAATCAACTAATTTCAAGACAA
TTTTGGAGTGGGAACCCAAACCCGTCAATCAAGTCTACACTGTTCAAATAAGCACTAAGTCAGGAG
ATTGGAAAAGCAAATGCTTTTACACAACAGACACAGAGTGTGACCTCACCGACGAGATTGTGAAG
GATGTGAAGCAGACGTACTTGGCACGGGTCTTCTCCTACCCGGCAGGGAATGTGGAGAGCACCCGGT
TCTGCTGGGGAGCCTCTGTATGAGAACTCCCCAGAGTTACACACCTTACCTGGAGACAAACCTCGGA
CAGCCAACAATTCAGAGTTTTGAACAGGTGGGAACAAAAGTGAATGTGACCGTAGAAGATGAACG
GACTTTAGTCAGAAAGGAACAACACTTTTCTAAGCCTCCGGGATGTTTTTGGCAAGGACTTAATTTAT
ACACTTTATTATTGGAAATCTTCAAGTTCAGGAAAGAAAACAGCCAAAACAAACACTAATGAGTTT
TTGATTGATGTGGATAAAGGAGAAAACTACTGTTTCAAGTGTTCAGCAGTGATTCCCTCCCGAACA
GTAAACCGGAAGGTACAGACAGCCCGGTAGAGTGTATGGGCCAGGAGAAAGGGGAATTCAGAG
GATGCGTCTTAAATGGTAGGATGGAATGC

Fig. 27:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTATCTGAATTCGCCCTTCTCCTGGCCCAT-3'

Fig. 28:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTATGGAGAATCACCTCTTCTCTGAATTCCTCC-3'

Fig. 29:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTATGCATGTGCTCTTCCGTTACCTCTGAATTCCTCC-3'

Fig. 30:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTAAACCACATCTACCGTTGCAGCCTCTGAATTCCTCC-3'

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Fig. 31:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTAACATCGTCCTGCACATCCAGAAACACATCTTCCATTACAACC
TCTGAATTCCCC-3'

Fig. 32:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTA GCA TTC CAT CCT ACC AIT TAA GAC GCA TCC TCTGAATTCCCC-3

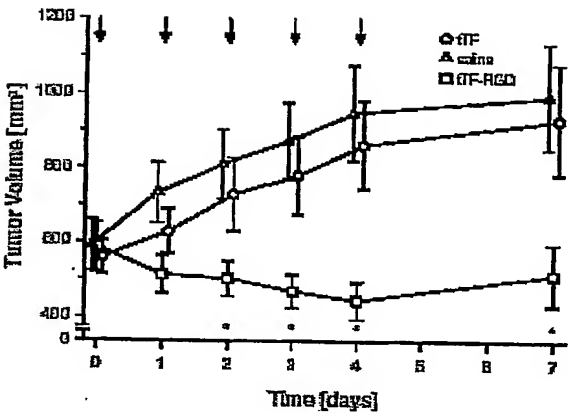
Fig. 33:

A: 5'-CATGCCATGGGATCAGGCACTACAAATACTGTGGCAGCATATAAT-3'
B: 5'-CGGGATCCTATTA ACCAGCGTGAGATCTTCCATTAAAGCACCTCTGAATTCCCC-3'

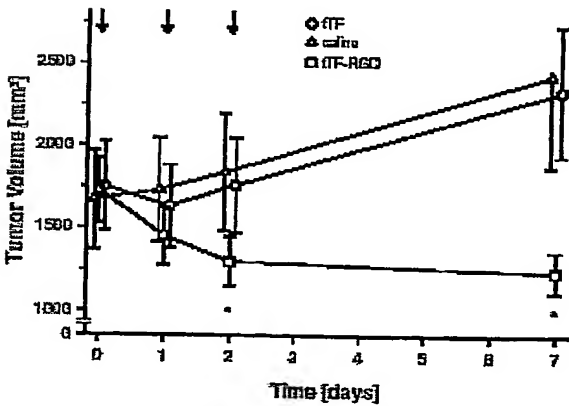
Fig. 34

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a



b



c

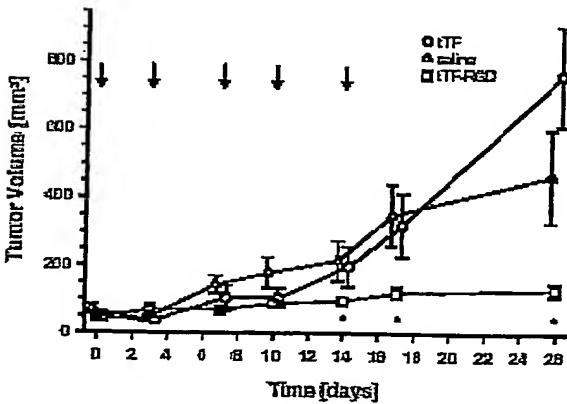


Fig. 35

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Fig. 36

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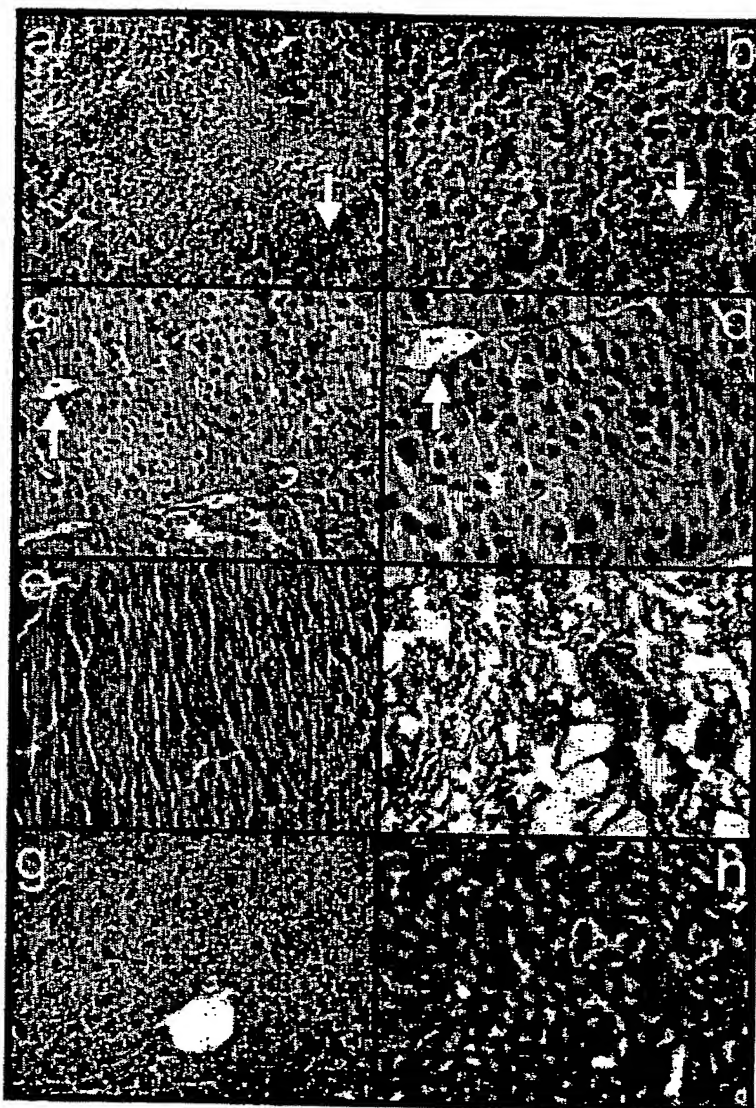
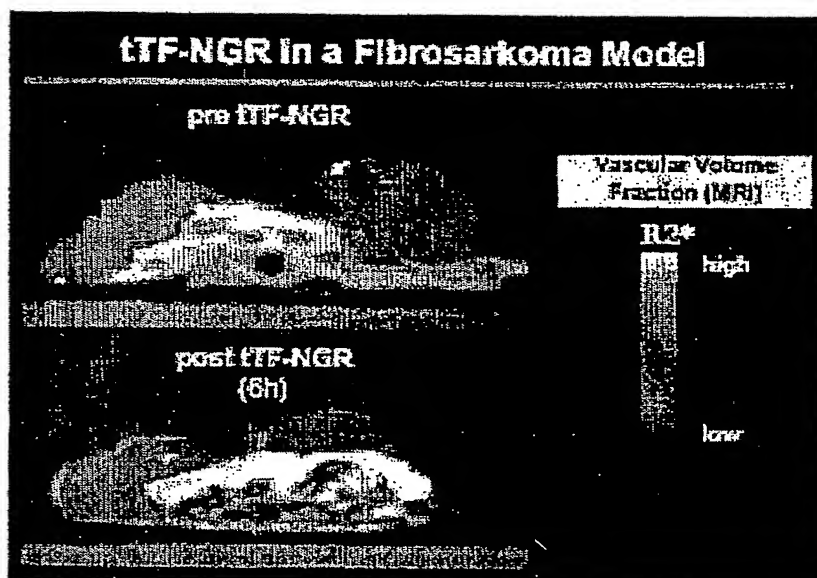


Fig. 37

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